Figure 1
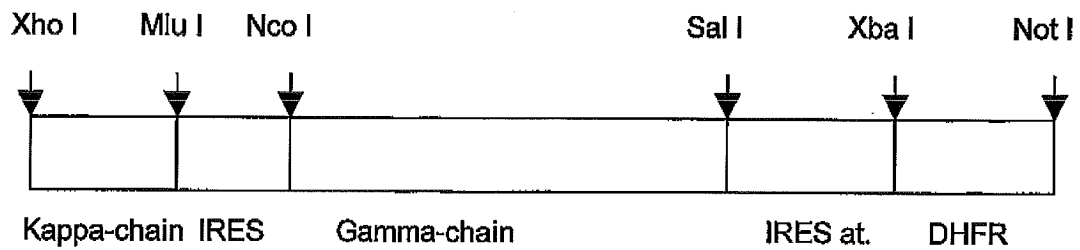

Figure 2

Xho I   KOZAK

5´...ATA GGC TAG *C CTC GAG* <u>CCA CCA CCA T</u>G CAT CAG ACC AGC ATG GG

CATCAAGATGGAATCACAGACTCTGGTCTTCATATCCATACTGCTCTGGTTATATG

GAGCTGATGGGAACATTGTAATGACCCAATCTCCCAAATCCATGTCCATGTCAGTA

GGAGAGAGGGTCACCTTGACCTGCAAGGCCAGTGAGAATGTGGTTACTTATGTTT

CNTGGTATCAACAGAAACCAGAGCAGTCTCCTAAACTGCTGATATATGGGGCATC

CAACCGGTACACTGGGGTCCCNGATCGCTTCACAGGCAGTGGATCTGCAACAGA

TTTCACTCTGACCATCAGCAGTGTGCAGGCTGAAGACCTTGCAGATTATCACTGT

GGACAGGGTTACAGCTATCCGTACACGTTCGGAGGGGGGACCAAGCTGGAAATA

AAACGGGCTGATGCTGCACCAACTGTATCCATCTTCCCACCATCCAGTGAGCAGT

TAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGAACAACTTCTACCCCAAAGA

CATCAATGTCAAGTGGAAGATTGATGGCAGTGAACGACAAAATGGCGTCCTGAAC

AGTTGGACTGATCAGGACAGCAAAGACAGCACCTACAGCATGAGCAGCACCCTCA

CGTTGACCAAGGACGAGTATGAACGACATAACAGCTATACCTGTGAGGCCACTCA

CAAGACATCAACTTCACCCATTGTCAAGA

                              Mlu I   *Bam HI*

GC TTC AAC AGG AAT GAG TGT TAG *ACG CGT GGA TCC* GCC CCT CTC CCT

CCCCCCCCCCTAACGTTACTGGCCGAAGCCGCTTGGAATAAGGCCGGTGTGCGT

TTGTCTATATGTGATTTTCCACCATATTGCCGTCTTTTGGCAATGTGAGGGCCCGG

AAACCTGGCCCTGTCTTCTTGACGAGCATTCCTAGGGGTCTTTCCCCTCTCGCCA

AAGGAATGCAAGGTCTGTTGAATGTCGTGAAGGAAGCAGTTCCTCTGGAAGCTTC

TTGAAGACAAACAACGTCTGTAGCGACCCTTTGCAGGCAGCGGAACCCCCCACCT

GGCGACAGGTGCCTCTGCGGCCAAAAGCCACGTGTATAAGATACACCTGCAAAG

GCGGCACAACCCCAGTGCCACGTTGTGAGTTGGATAGTTGTGGAAAGAGTCAAAT

GGCTCTCCTCAAGCGTATTCAACAAGGGGCTGAAGGATGCCCAGAAGGTACCCC

ATTGTATGGGATCTGATCTGGGGCCTCGGTGCACATGCTTTACATGTGTTTAGTC

GAGGTTAAAAAAACGTCTAGGCCCCCCGAACCACGGGGACGT

KOZAK Nco I

G GTT TTC CTT TGA AAA ACA CGA TGA TAA TAT *GGC CAC CAC CAT* GG

AATGGAGCAGAGTCTTTATCTTTCTCCTATCAGTAACTGCAGGTGTTCACTCCCAG

GTCCAGTTGCAGCAGTCTGGAGCTGAGCTGGTAAGGCCTGGGACTTCAGTGAAG

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TCTATTTCTGTGCAAGAGATGGTCCCTGGTTTGCTTACTGGGGCCAAGGGACTCT

GGTCACTGTCTCTGCAGCCAAAACAACAGCCCCATCGGTCTATCCACTGGCCCCT

GTGTGTGGAGATACAACTGGCTCCTCGGTGACTCTAGGATGCCTGGTCAAGGGTT

ATTTCCCTGAGCCAGTGACCTTGACCTGGAACTCTGGATCCCTGTCCAGTGGTGT

GCACACCTTCCCAGCTGTCCTGCAGTCTGACCTCTACACCCTCAGCAGCTCAGTG

ACTGTAACCTCGAGCACCTGGCCCAGCCAGTCCATCACCTGCAATGTGGCCCAC

CCGGCAAGCAGCACCAAGGTGGACAAGAAAATTGAGCCCAGAGGGCCCACAATC

AAGCCCTGTCCTCCATGCAAATGCCCAGCACCTAACCTCTTGGGTGGACCATCCG

TCTTCATCTTCCCTCCAAAGATCAAGGATGTACTCATGATCTCCCTGAGCCCCATA

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TGGTTTGTGAACAACGTGGAAGTACACACAGCTCAGACACAAACCCATAGAGAGG

ATTACAACAGTACTCTCCGGGTGGTCAGTGCCCTCCCCATCCAGCACCAGGACTG

GATGAGTGGCAAGGAGTTCAAATGCAAGGTCAACAACAAAGACCTCCCAGCGCC

CATCGAGAGAACCATCTCAAAACCCAAAGGGTCAGTAAGAGCTCCACAGGTATAT

GTCTTGCCTCCACCAGAAGAAGAGATGACTAAGAAACAGGTCACTCTGACCTGCA

TGGTCACAGACTTCATGCCTGAAGACATTTACGTGGAGTGGACCAACAACGGGAA

AACAGAGCTAAACTACAAGAACACTGAACCAGTCCTGGACTCTGATGGTTCTTACT

TCATGTACAGCAAGCTGAGAGTGGAAAAGAAGAACTGGGTGGAAAGAAATAGCTA

CTCCTGTTCAGTGGTCCACGAGGGTCTGCACAATCACCACACGACTAAGAGCTTC

TC

Sal I

C CGG ACT CCG GGT AAA TGA **GTC GAC**

ACGCGTCGAGCATGCATCTAGGGCGGCCAATTCCGCCCCTCTCCCTCCCCCCCC

CCTAACGTTACTGGCCGAAGCCGCTTGGAATAAGGCCGGTGTGCGTTTGTCTATA

TGTGATTTTCCACCATATTGCCGTCTTTTGGCAATGTGAGGGCCCGGAAACCTGG

CCCTGTCTTCTTGACGAGCATTCCTAGGGGTCTTTCCCCTCTCGCCAAAGGAATG

CAAGGTCTGTTGAATGTCGTGAAGGAAGCAGTTCCTCTGGAAGCTTCTTGAAGAC

AAACAACGTCTGTAGCGACCCTTTGCAGGCAGCGGAACCCCCACCTGGCGACA

GGTGCCTCTGCGGCCAAAAGCCACGTGTATAAGATACACCTGCAAAGGCGGCAC

AACCCCAGTGCCACGTTGTGAGTTGGATAGTTGTGGAAAGAGTCAAATGGCTCTC

CTCAAGCGTATTCAACAAGGGGCTGAAGGATGCCCAGAAGGTACCCCATTGTATG

GGATCTGATCTGGGGCCTCGGTGCACATGCTTTACATGTGTTTAGTCGAGGTTAA

AAAAAC

Xba I

GTCTAGGCCCCCCGAACCACGGGGACGTGGTTTTCCTTTGAAAAACACGATGATA

AGCTTGCCACAACCCGGGATCC**TCTAGA**

<u>CCACC</u>ATGGTTCGACCATTGAACTGCATCGTCGCCGTGTCCCAAGATATGGGGAT

TGGCAAGAACGGAGACCTACCCTGGCCTCCGCTCAGGAACGAGTTCAAGTACTT

CCAAAGAATGACCACAACCTCTTCAGTGGAAGGTAAACAGAATCTGGTGATTATG

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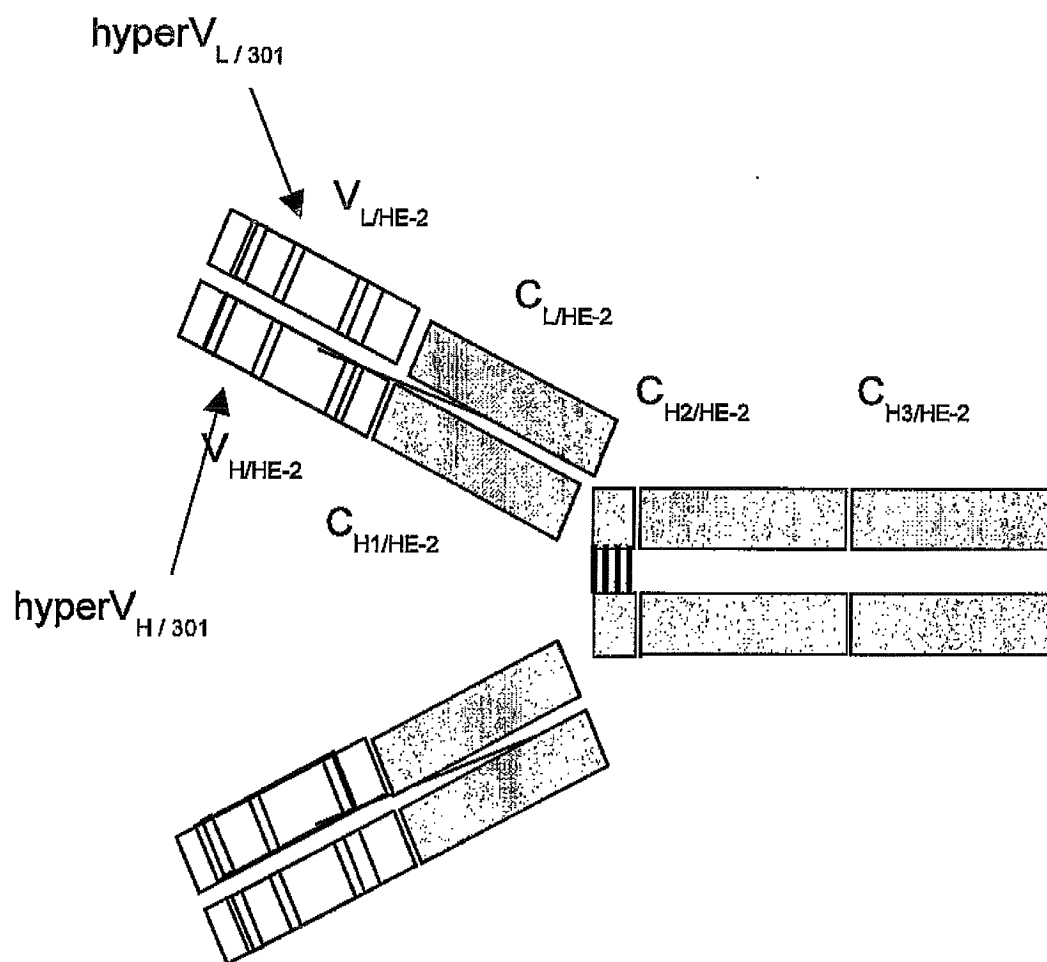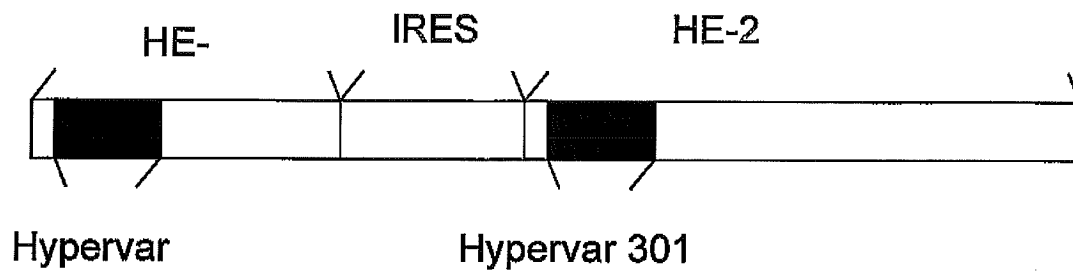CTACGAGAAGAAAGACTAAGCGGCCGC...3′ (SEQ ID No1)

Figure 3

Figure 4

Figure 5

MEWSRVFIFLLSVTAGVHSQVQLQQSGAELVRPGTSVKVSCKASGYAFTNYLIEWVK

QRPGQGLEWIGVINPGSGGTNYNEKFKGKATLTADKSSSTAYMQLSSLTSDDSAVYF

CARDGPWFAYWGQGTLVTVSAAKTTAPSVYPLAPVCGDTTGSSVTLGCLVKGYFPE

PVTLTWNSGSLSSGVHTFPAVLQSDLYTLSSSVTVTSSTWPSQSITCNVAHPASSTKV

DKKIEPRGPTIKPCPPCKCPAPNLLGGPSVFIFPPKIKDVLMISLSPIVTCVVVDVSEDD

PDVQISWFVNNVEVHTAQTQTHREDYNSTLRVVSALPIQHQDWMSGKEFKCKVNNK

DLPAPIERTISKPKGSVRAPQVYVLPPPEEEMTKKQVTLTCMVTDFMPEDIYVEWTNN

GKTELNYKNTEPVLDSDGSYFMYSKLRVEKKNWVERNSYSCSVVHEGLHNHHTTKS

FSRTPGK (SEQ ID No2)

Figure 6

MHQTSMGIKMESQTLVFISILLWLYGADGNIVMTQSPKSMSMSVGERVTLTCKASENV

VTYVSWYQQKPEQSPKLLIYGASNRYTGVPDRFTGSGSATDFTLTISSVQAEDLADYH

CGQGYSYPYTFGGGTKLEIKRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPKDIN

VKWKIDGSERQNGVLNSWTDQDSKDSTYSMSSTLTLTKDEYERHNSYTCEATHKTS

TSPIVKSFNRNEC (SEQ ID No3)

Figure 7

MHQTSMGIKMESQTLVFISILLWLYGADGNIVMTQSPKSMSMSVGERVTLTCKASENV

VTYVSWYQQKPEQSPKLLIYGASNRYTGVPDRFTGSGSATDFTLTISSVQAEDLADYH

CGQGYSYPYTFGGGTKLEIRRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPKDIN

VKWKIDGSERQNGVLNSWTDQDSKDSTYSMSSTLTLTKDEYERHNSYTCEATHKTS

TSPIVKSFNRNEC (SEQ ID No4)

Figure 8

MHQTSMGIRMESQTLVFISILLWLYGADGNIVMTQSPRSMSMSVGERVTLTCRASEN

VVTYVSWYQQRPEQSPRLLIYGASNRYTGVPDRFTGSGSATDFTLTISSVQAEDLAD

YHCGQGYSYPYTFGGGTRLEIRRADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPKD

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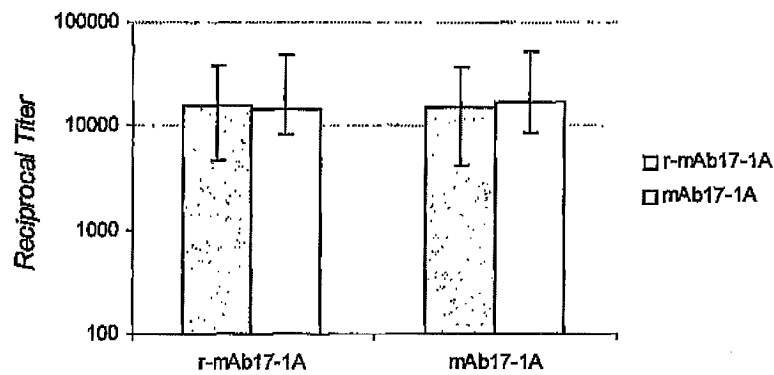
STSPIVKSFNRNEC (SEQ ID No5)

Figure 9

Figure 10